

Title (en)
DEVICE FOR BREAKING SEPARATION OF BEARING CAPS OF ALIGNED BEARING BORES IN BEARING SYSTEMS OF A PART OF AN ENGINE

Title (de)
VORRICHTUNG ZUM BRUCHTRENNEN VON LAGERDECKELN FLUCHTEND ANGEORDNETER LAGERBOHRUNGEN IN LAGERANORDNUNGEN EINES MASCHINENTEILS

Title (fr)
DISPOSITIF POUR LA SEPARATION PAR RUPTURE DE CHAPEAUX DE PALIER D'ALESAGES DE PALIER ALIGNES DANS DES ENSEMBLES PALIER D'UNE PARTIE DE MOTEUR

Publication
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Application
EP 95913072 A 19950309

Priority
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Abstract (en)
[origin: DE4413255A1] For a process for the breaking separation of the bearing cap of a multi-part bearing arrangement, especially in internal combustion engine crank-cases by means of a half-mandrel in a bearing bore (20) partly bounded by the bearing cap (4) to separate integrally formed securing flanges of the bearing cap (4) from the remainder (3) of the bearing arrangement, it is proposed in order to produce breaking separation surfaces (14, 15) in facing planes that the pairs of corresponding breaking separation surfaces of the bearing cap and the remainder of the bearing arrangement be provided in separation surfaces together forming a blunt angle (α) with the apex on the case side by at least one half-mandrel (12), the radius of curvature of which, depending on the actual blunt angle (α), is 0.5 to 5 % smaller than the constant radius of the bearing bore (20) accepting the half-mandrel (12).

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IPC 8 full level
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B23D 31/003 (2013.01 - EP US); **F16C 9/02** (2013.01 - EP US); **F05C 2201/0436** (2013.01 - EP US); **F16C 9/045** (2013.01 - EP US); **F16C 2240/30** (2013.01 - EP US); **F16C 2360/22** (2013.01 - EP US); **Y10T 29/49288** (2015.01 - EP US); **Y10T 29/49705** (2015.01 - EP US); **Y10T 225/30** (2015.04 - EP US); **Y10T 225/329** (2015.04 - EP US); **Y10T 225/371** (2015.04 - EP US)

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